-The proboscis of the bee must be inserted into 500 clover tubes before one grain of sugar can be obtained .-

Prairie Farmer.

—An exchange says that a New York farmer runs one hundred bushels of wheat through a fanning mill to get eighteen bushels of the largest and plumpest kernels for seed.

-Candied Fruits. Boil peaches, plums, pears, apricots, or almost any fruit, dressed in a thick syrup, made with a tea-cupful of water to each pound of sugar, until tender-no longer. Let them remain two days in the sirup; then take them out, drain them, and sprinkle sugar over each separately. Dry them slowly in the sun, or in an oven not too warm .- N. Y. Times.

-Beans are not eaten whole by any kind of stock excepting sheep. But, by grinding and mixing with corn or oatmeal, beans unfit for sale may be profitably fed to cattle, horses and pigs. They are very strong food, and as stock become used to them the proportion of bean-meal may be increased .-Rurab New Yorker.

The longest-lived tree is to be obtained by planting seeds where the tree is to grow and grafting it there without ever removing it, but it will be too long coming into bearing; this with apples and pears, but with the peach it is the way to insure the greatest possible hardiness with any given variety .-Ohio Farmer.

as a mulch for fruit trees. It would lime into his eyes, and the sight of one benefit any kind of tree, but would not be ornamental on atlawn. Spread it in a ring extending from within two feet. E) Times. of the trunk to several feet beyond the most outspreading branches. In a dry season it retains moisture, and as it rots fertilizes the ground.—N. Y. which is the highest wages ever paid in the State for any kind of mechanical

-A favorite way to cook potatoes now is to boil them in their jackets until they are tender, and then dry them off in a hot oven. Sweet potatoes are excellent also cooked in this way. Of course care must be taken to remove the potatoes from the boiling water as soon as they are tender. There is no vegetable that gains more by being prepared with due attention than the potato, and the difference between a soggy, water-soaked potato and one that is properly cooked is greater than many women seem to know.-N. Y. Post.

-Hon. Rufus Prince, President of the Main State Agricultural Society, writes the Maine Farmer: "I am no horse doctor; but I will give you a very simple but effective cure for 'scratches' given me by one that had had the care of horses for a long time and which has never failed with him. It is this: Wind a woolen rag around the horse's ankle and fasten it on and let it be until it wears off. No matter if you drive your horse in the mud, do not off the rag, and before you think of it the scratches will be cured."

### Planting Trees in the Fall.

I had my attention aroused last fall by the unusual trade in fruit trees. It was more general than in any previous fall within my recollection, and much more, even, than last spring. It is but a few years since nurserymen-induced farmers to purchase stock for fall setting, but the practice now seems to have grown in favor with farmers generally. They only needed to ascertain that the fall is really the most convenient season for such work, in order to attend to it at that season. The trouble with spring placing is that the trees come when the farmer can not well spare the time to attend to them. Perhaps there is a job on hand which must be finished before anything else can be attended to; the weather is warm, with drying winds, and every hour that the trees are out of the ground they suffer. Another con-sideration is that these trees set out in the spring were dug up in the fall, and would have been much safer if they had been set out at the same season. When the trees are set in the fall, the soil settles and fills the interstices around the roots and the soil in the immediate vicinity of the frees becomes less susceptible to the effects of drought.

Again, the farmer has more time to do this job, in the way it should be done, in the fall. Too much care can not be expended in procuring and setting trees. Opinions in regard to varieties may differ, but when it comes to caring for the trees, there is only one way to do it. Too many farmers are quite apt to forget that a tree has a life and a constitution; that carelessness may destroy the one and impair the other. I think that nurserymen should be very particular in the men they employ to take up trees. I have seen so many trees injured in this respect, that I think it requires as much care to take up a tree as it does to set it out again. Strength is not the best recommendation of a man for taking up trees; neither is a faculty for handling a spade the principal accomplishment of a man employed to set out trees. Perhaps in no other job on the farm does skill pay as well, inasmuch as unskilled labor will work so great a loss. It requires two men to set out trees to any advantage, and three are better than two. It is better to have the holes dug, and a bushel of good muck left at each hole, before commencing to set out trees.

Right here I most earnestly deprecate the post-hole style of digging holes for apple trees. A job that is worth doing at all, is worth doing well, and the roots of growing trees should have plenty of room. The hole should be dug both deeper and wider than is required, in order that a quantity of muck may be put in the bottom, and it should be dug wider on general principles. In setting out trees, when I come upon one which has been mutilated in taking up, I prefer throwing it aside and losing it at once, rather than await the doubtful result of setting it out. In setting out trees avoid placing any of the roots in a constrained position. The roots should be placed naturally and the fine earth pressed firmly around them. With care, no one should lose one tree in one hundred, providing the trees were all right when delivered. Taking all things into consideration, I would much Gentleman

The Iceland Herring-Fisheries.

An account of the herring fisheries in Iceland has a great interest in view of the fact that so large a proportion of the cheap food of European populations is sent from them. The herrings are all caught in the ponds, and not in the open sea. Many Norwegian ships frequent the Iceland waters and take up their positions at various stations along the shores, which consist of mere rough huts. These Norwegian fishing smacks are very small in comparison with those either of England or America, but are considerably larger than those used by the Icelanders themselves. The net in which the herrings are caught is all in one piece, and should a shoal of herrings prove too heavy for the boat, the ends of the net are anchored in-shore and the boats loaded with as many as they can carry from within by bag nets on the ends of long poles; those that can not be carried away at once remain enclosed in the net until the next day, when the fish are as lively as ever. The size of these herring nets varies from twenty fathoms long by five fathoms deep to one hundred and fifty fathoms long by twenty fathoms deep. They are only of half-inch mesh and are used in Norway for sprats and herrings alike. -N. Y. Mail.

-Matthew Woodworth, of Amsterdam, N. Y., while sleeping off a drunk pitched into a lime bed, where he lay unconscious some time. He was com-—It is a common thing for farmers pletely soaked and was burned as black to burn a pile of brush spring and fall, as a negro, the burns being so bad that bleeding ensued. He had rubbed the

> the State for any kind of mechanical labor. - Chicago Times.

Rescued From Agonizing Death. NEW YORK .- Mr. James White, 1552 Broadway, formerly chief instructor in Dickel's Riding School, in this city, said to a newspaper reporter: "I broke my shoulder, arm and elbow, splitting the socket in four parts. Rheumatism set in and I employed the best physician. He tried everything, but I grew worse, and at last he said: 'I have one more thing to try and if that fails nothing can give you relief, and that is St. Jacobs Oil.' I used this great painreliever, and am able to use my arm, free from all rheumatic trouble. I have also recommended the remedy to a number of people, and in every case they have been speedily and effectually cured."

THE dude proper parts his hair, his watch-chain and his name in the middle. -Philadelphia News.

In 1850 " Brown's Bronchial Troches" were introduced, and their success as a cure for Colds, Coughs, Asthma and Bron-chitis has been unparalleled.

CHICAGO papers call Cincinnati the " Plaster Paris of America."

"Mother Swan's Worm Syrup," for fev-erishness, restlessness, worms. Tasteless. A PAIR of suspenders—The Langman and his assistant.—The Judge.

Advice to Consumptives. On the appearance of the first symptoms -as general debility, loss of appetite, pal-lor, chilly sensations, followed by night sweats and cough, prompt measures of re-lief should be taken. Consumption is scrofulous disease of the lungs; therefore nse the great anti-scrofulous or blood-puri-fier and strength-restorer, Dr. Pierce's "Golden Medical Discovery." Superior to Cod liver oil as a nutritive, and unsurpassed as a pectoral. For weak lungs, spitting of blood, and kindred affections it has no equal. Sold by druggists. For Dr. Pierce's treatise on consumption send two stamps. World's Dispensary Medical Association, Buffalo, N. Y.

A STRING BAND-A lynching party.-Ballimore Every Saturday. Cuts from barbed wire fence, cured with Stewart's Healing Powder.

No scar or gray hair, 50 cts a box. Home-Bound-The bed-ridden patient .-

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Young and middle-aged men, suffering from nervous debility and kindred affections, as loss of memory and hypochondria. should inclose three stamps for Part VII of World's Dispensary Dime Series of pam-phlets. Address World's DISPENSARY phlets. Address World's Dispens MEDICAL ASSOCIATION, Buffalo, N. Y.

THE prominent man in the city is the street sweeper. He fills the public eye .-The Judge.

FLORENCE, GA .- Dr. W. B. Prather says: "Brown's Iron Bitters has given satisfac-tion in every instance I have known it used."

Wells' "Rough on Corns." 15c. Ask for it. Complete, permanent cure. Corns. bunions. If a beggar abuses you do not mind it, for it is only a vague-rant.—Chicago Trib-

REV. W. B. SMITH, Grafton, Mass., says: "I have derived benefit from using Brown's Iron Bitters for a low state of blood."

"Buchu-paiba." Complete cure, all annoying Kidney Diseases, irritation. \$1. ALL recommend Wise's Axle Grease.

KEELY says his motor can not make its trial trip this winter because of a miscalculation in the "chromatic scales of the vibrator."

The Weaker Sex

Are immensely strengthened by the use of Dr. R. V. Pierce's "Favorite Prescription," which cures all female derangements, and gives tone to the system. Sold by druggists.

HALF a loaf is, no doubt, better than none, but a newspaper man never gets a chance to loaf at all.—Rochester Post-Ex-

SWIFT'S SPECIFIC (S. S. S.) has cured me of hereditary Scrofula of the worst type. The medicine is more than you claim for it, and I hope any who doubt will write to me. E. C. Hawes, Jr., Clarksville, Ga.

Wagon tracks are the royal road, for are they not prints of tire?—Cincinnati Traveler. Mr. A. Nichols, of this place, says he offered from Catarrh for years. He pur-

suffered from Catarrh for years. He pur-chased a bottle of Ely's Oream Balm of us. He is now almost cured, and says you can not recommend it too highly. We are selling more of Ely's Cream Balmthan of all other catarrh remedies; can hardly keep a supply on hand. Evers Bros., Druggists, Independence, Iowa.

A TENOR singer can always secure a hall easier than a basso, because he can go higher.

An invaluable strengthener for the nerves, muscles and digestive organs, producing strength and appetite, is Brown's Iron Bit-

\$500 REWARD will be paid for any case of chills that CHILLARINE will not cure. Try it. Skinny Men. "Wells' Health Renewer" restores health and vigor, cures Dyspepsia.

REDDING'S Russia Salve, best family salve in the world, and excellent for stable use. 25cts. If afflicted with Sore Eyes, use Dr. Isaac Thompson's Eye Water. Druggists sell it. 25c. TOOTERS of brass instruments are the banditti of American villages .- N. Y.

I USED Swift's Specific (S. S. S.) for a bad case of Blood Poison from Malaria, and am satisfied that it saved my life, as I was lie. C. G. SPENCER, Sup't Gas Works, Rome, Ga. given up to die.

"Rough on Rats." Clears out rats, mice, flies, roaches, bed-bugs, ants, vermin. 15c. STRAIGHTEN old boots and shoes with Lyon's Patent Heel Stiffeners, and wear them again.

Wise's Axle Grease never gums. THE FATHER OF FISH-CULTURE. Seth Green's Ideas About the Finny Tribe

and Some of His Varied Experiences. [Turf, Field and Farm.]

"How did you ever come to devise this scheme?" "I have been working at it ever since I was large enough to bend a pin." The above remark was addressed to Mr. Seth Green, the veteran fish culturist, who

is known to the entire world, and his reply indicates the extent of his labors.

"When I was quite young," he continued, "I would lie on the limbs of trees that reached out over the water entire afternoons watching the movements of the fight and studying their habits. In this way afternoons watching the movements of the fish and studying their habits. In this way I discovered many characteristics which were before unknown. I saw, as every observer must see, the destructive elements that are warring against fish, and I realized that unless something were done, the life in the streams of this country would become extinct. To counter act this disastrous end became my life work, and I am trous end became my life work, and I am happy to say I have seen its accomplish-

"Were you successful on the start?"
"No, indeed. Up to that time all artificial attempts to hatch and raise fish from the spawn had failed, and I was compelled to experiment in an entirely new manner. The work was a careful and tedious one, but I finally succeeded, and to-day I am able to hatch and raise fully seventy-five

"Enormous! Why, that is a larger per centage than either the vegetable or animal kingdoms produce in a natural con-

"I know it, but we exercise the greatest care in the start, and guard the little fel-lows until they become able to care for themselves."

The foregoing conversation occurred at Caledonia, wheretherepresentative of this paper was paying a visit to the State Fish Hatcheries. It has been his privilege to report very many interesting sights within the past twenty-five years, but the view presented here exceeds in interest anything "How many fish are there in those ponds, Mr. Green?"

"As we have never attempted to count them it will be impossible to say. They extend way up into the millions though. We shipped over three millions out of the ponds this year, and there seemed to be as many afterward as before. We have nearly every verified of the trout family and ly every variety of the trout family and many hybrids."

"You speak of hybrids, Mr. Green. What

do you mean by that?"
"I have experimented for years in crossing the breed of the various fish, and amstill working upon it. We cross the female salmon trout with the male brook treut, and thus produce a hybrid. Then we cross the hybrid with the brook trout, which gives us three-quarter brook trout and one quarter salmon trout. This makes one of the finest fishes in the world. He has all the habits of the brook trout, lives in both streams and lakes, develops vermilion spots on his sides, rises readily to a fly, is far more vigorous and fully one-taird larger than ordinary brook trout of the same age. The possibilities of development in the fish world are great, and we are rapidly ascertaining what they are."

As the man of news watched the countenance of Mr. Green while he was giving

the above account, he could not but feel that he was in the presence of one of the few investigators who, from a rich and life-long experience, bring great benefit to the world. Let the reader imagine a strong and stalwart frame, surmounted by a head strongly resembling that of Socrates, and covered with a white, silky beard and luxuriant gray hair. Seth Green, the father of fish culture, is a picture of health, and the reporter could not help remarking so. "If you had seen me the last winter and spring, young man, you might have thought differently," said the veteran.
"How is that? One would think, to look at you, that sickness was something of which you knew nothing."

"And so it was until last winter. I went down into Florida in the fall to see what kind of fish they had in that State and study their habits, and was attacked with malaria in its severest form, and when I came home I realized for the first time in my life that I was sick. My symptoms were terrible. I had dull aching pains in my head, limbs and around my back. My appetite was wholly gone, and I felt a lack of energy such as I had often heard described but had never experienced. Any scribed but had never experienced. Any one who has ever had a severe attack of malaria can appreciate my condition. I went to bed and remained there all the spring, and if there ever was a sick man I the one."

"It seems hardly possible. How did you come to recover so completely?"

"My brother, who had been afflicted by a severe kidney trouble and threatened with Bright's disease, was completely cured by a remedy in which I had great confidence. I therefore tried the same remedy for my malaria and am happy to say I am a well man to-day and through the instrumentality of Warner's Safe Cure, which I believe to be one of the most valuable of medicine. icines. Indeed, I see it is endorsed by the United States Medical College of New York, and that Dr. Gunn, dean of that institution, has written a long article concerning its value."

"And are you now as well as former-

Apparently so. I keep the remedy on hand all the while though, and do not hesi-tate to recommend it to others." "One question more: How many ponds of fish have you here and how are they di-

"Well, we have 43 ponds, which are divided up as follows: Twenty-two ponds of brook trout, 2 ponds of salmon trout, 4 of McCloud river or rainbow trout, 2 ponds of German trout, 3 of California mountain trout, 2 ponds of hybrids, 4 of one-quarter salmon and three-quarters brook trout, 2 ponds of gold fish, and 1 pond of Carp. Then we have what we call-the Centennial pond or happy family, consisting of crosses of different fish, in-cluding Kennebec salmon, Land Locked-salmon, California salmon, brook trout, salmon trout and hybrids. These fish range in size from minnows to 18-pounders, and in age from one and-one-half months to eleven years. I forgot to say. also, that we have a 'hospital' pond, which is entirely empty, which speaks pretty well for a community of many millions. Indeed the whole secret of the fish culture can be summed up in four things. Impregnation—using no water. Plenty of

ness." The numerous fish exhibitions which are taking place in all parts of Europe and the unusual interest which is being manifested in this subject throughout the world, all owe their origin to the process above described as originated and conducted by Seth Green. It is certainly cause for congratulation to every American that this country produces so many men whose genius brings value to the world, and it is proof positive of the greatest merit that a remedy even with such high standing as Warner's Safe Cure is known to have should be so strongly endorsed and recommended by one so reputable and reliable as Seth Green.

food. Plenty of pure water and cleanli



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Soro Throat, Swellings, Sprains, Bruises,
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when applied by nostrils, will be all sorbed, effectually cleansing the head of catarrhal virus of catarrhal virus, causing healthy se-cretions. It allays inflammation, pro-tects the membrane of the nasal pass-ages from addition-al colds, completely heals the sores and restores taste and restores taste and smell. A few appli-cations relieve. A thorough treatment

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the strength and vital energy of persons who are sinking un-der the debilitating effects of painful dis-orders. this standard vegetable invigorant is confessedly un-equaled. STOMACH

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S65 A MONTH and BOARD for three live Young Men or Ladies, in each county. Address P. W. ZIEGLER & CO., Chicago. III

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A WOMAN'S AFFAIR.

MRS. N. H. SMALL, the wife of the popular Deputy Sheriff and Assessor of Topsham, Me., writes us on May 15, 1883: "That she had been severely afflicted during several years with kidney and liver disease accompanied with severe pains and backache Having tried many so-called cures, and medicines, and doctor's prescriptions, without receiving any benefit, and while seeking for a cure, she noticed the advertisement of Hunt's Remedy and decided to try it. Having bought a bottle at Mr. Johnson's drug store, commenced using it with such flattering results that she continued its use, and after using only five bottles the improvement in her health is so marked that she wishes all who are afflicted in like manner to know of this most valuable and reliable medicine; and she most cheerfully recommends Hunt's Remedy to all, and especially to females who are troubled with the complaints peculiar to the rex."

#### A FAMILY BLESSING.

Under date of May 10, 1883, we have received the fol-lowing information from Mr. Lorenzo Lombard, of 18 Charles street, Portland, Me. Mr. Lombard says: 'For several years past I have been troubled with would lie down I could not rest well, as it seemed impossible for me to get into an easy position; and my aches and pains increased constantly to such an exten that I became convinced that I had a disease of the kidneys fastened to me, and after having used doctors prescriptions and many of the so-called cures without etting any benefit, I was persuaded by a near neighbor, Mr. Jones, to try Hunt's Remedy, as himself and wife had been greatly benefited by its uses, and many others of our acquaintances spoke of its merits in the highest terms. I decided to try it, and purchased a bottle at Nichol's drug store, and as soon as I had taken a few doses of it the pains in my back were relieved, and after taking three bottles my sideache and lame back are cured, and I can truly testify that Hunt's Remedy is an article of great merit, and will do all that is claimed for it, and I know of many other people in Portland who have found a cure in Hunt's Remedy after all others failed to do any good, and I recommend it to all who have kidney or liver disease, hoping that this may be the means of relieving some sufferer who does not know of the merits of Hunt's Remedy.

# DR. JOHN BULL'S Smith's Tonic Syrup FOR THE CURE OF **FEVER and AGUE** Or CHILLS and FEVER,

AND ALL MALARIAL DISEASES. The proprietor of this celebrated medicine justly claims for it a superiority over all remedies ever offered to the public for the SAFE, CERTAIN, SPEEDY and PERMANENT cure of Ague and Fever, or Chills and Fever, whether of short or long standing. He refers to the entire Western and Southern country to bear him testimony to the truth of the assertion that in no case whatever will it fail to cure if the directions are strictly followed and carried out. In a great many cases a single dose has been sufficient for a cure, and whole families have been cured by a single bottle, with a perfect restoration of the general health. It is, however, prudent, and in every case more certain to cure, if its use is continued in smaller doses for a week or two after the disease has been checked, more especially in difficult and long-standing cases. Usually this medicine will not require any aid to keep the bowels in good order. Should the patient, however, require a cathartic medicine, after having taken three or four doses of the Tonic, a single dose of BULL'S VEGETABLE FAMILY PILLS will be sufficient.

#### DR. JOHN BULL'S SMITH'S TONIC SYRUP,

BULL'S SARSAPARILLA,

BULL'S WORM DESTROYER. The Popular Remedies of the Day. Principal Office, 881 Main St., LOUISVILLE, KY. PATENTS NO PATENT, NO PAY!

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Attorneys, Washington, D. C.
Full instructions and Hand-Book of Patents scattere. \$66 A WEEK in your own town. Terms and AGENTS make money selling our Family Medicles; no capital required. STANDARD CURE CO., 197 Pearl St., NEW YORK. HAIR Wholesale and retail. Send for price-list. Goods sent C. O. D. Wigs made to order. E. BURNHAM, 71 State Street, Chicago.

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#### Vital Questions!!

Ask the most eminent physician

Of any school, what is the best thing in the world for quieting and allaying all irritation of the nerves and curing all forms of nervous complaints, giving natural, childlike refreshing sleep always?

And they will tell you unhesitatingly "Some form of Hops!"

CHAPTER I. Ask any or all of the most eminent phy-

"What is the best and only remedy that can be relied on to cure all diseases of the kidneys and urinary organs; such as Bright's disease, diabetes, retention or inability to retain urine, and all the diseases and ailments peculiar to Women"-

"And they will tell you explicitly and emphatically "Buchu."

Ask the same physicians "What is the most reliable and surest cure for all liver disease or dyspepsia, constipation, indigestion, biliousness, malarial fever, ague; &c.," and they will tell you:

" Mandrake ! or Dandelion !" Hence, when these remedies are combined

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